

# BBS5

## Polyclonal ANTIBODY

Catalog Number: 14569-1-AP

Featured Product

13 Publications

### Basic Information

**Catalog Number:**  
14569-1-AP

**Size:**  
31 µg/150 µl

**Source:**  
Rabbit

**Isotype:**  
IgG

**Purification Method:**  
Antigen affinity purification

**Immunogen Catalog Number:**  
AG6153

**GenBank Accession Number:**  
BC044593

**GeneID (NCBI):**  
129880

**Full Name:**  
Bardet-Biedl syndrome 5

**Calculated MW:**  
39 kDa

**Observed MW:**  
40-45 kDa

**Recommended Dilutions:**

WB 1:200-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:10-1:100

### Applications

**Tested Applications:**  
ELISA, WB, IF, IP, IHC

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse, rat

**Positive Controls:**

**WB:** mouse testis tissue; human testis tissue, rat testis tissue

**IP:** mouse testis tissue;

**IHC:** human testis tissue; human kidney tissue, human stomach tissue, human testis tissue

**IF:** hTERT-RPE1 cells;

### Background Information

BBS5 encodes a protein that has been directly linked to Bardet-Biedl syndrome. Bardet-Biedl syndrome (BBS) is an autosomal recessive condition characterised by rod-cone dystrophy, postaxial polydactyly, central obesity, mental retardation, hypogonadism, and renal dysfunction. Other associated clinical findings in BBS patients include diabetes, hypertension and congenital heart defects. BBS expression varies both within and between families and diagnosis is often difficult. Experimentation in non-human eukaryotes suggests that BBS5 is expressed in ciliated cells and that it is required for the formation of cilia. Alternate transcriptional splice variants have been observed but have not been fully characterized.

### Notable Publications

Author	Pubmed ID	Journal	Application
Malavika Raman	26389662	Nat Cell Biol	WB
André Mourão	25402481	Nat Struct Mbl Biol	IF
Thibaut Eguether	25446516	Dev Cell	WB,IF

### Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

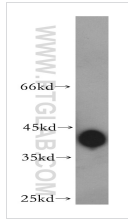
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

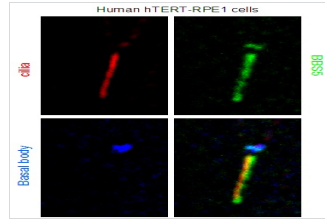
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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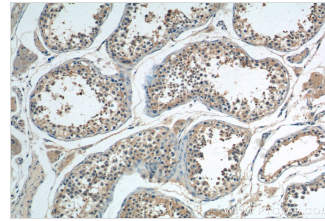
Selected Validation Data



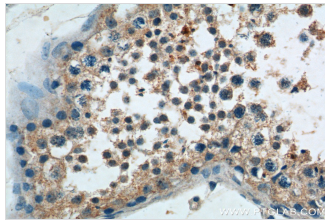
mouse testis tissue were subjected to SDS PAGE followed by western blot with 14569-1-AP(BBS5 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours



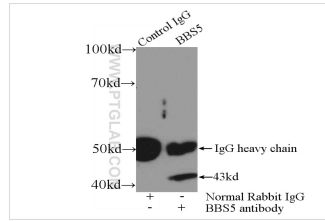
IF result from Dr. Corbit, Kevin, anti-BBS5(14569-1-AP) marks the ciliary membrane and basal bodies of Human hTERT-RPE1 cells.



Immunohistochemistry of paraffin-embedded human testis tissue slide using 14569-1-AP(BBS5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human testis tissue slide using 14569-1-AP(BBS5 Antibody) at dilution of 1:200 (under 40x lens).



IP Result of anti-BBS5 (IP:14569-1-AP, 3ug; Detection:14569-1-AP 1:500) with mouse testis tissue lysate 2800ug.